

Intel® PROSet/Wireless WiFi Software v16.11 Production Version (PV) Release

WiFi TIC# WWWFW0752G

PCCG Wireless Marketing
ww10, 2014



PCCG Wireless Marketing

Legal Disclaimer

INFORMATION IN THIS DOCUMENT IS PROVIDED IN CONNECTION WITH INTEL® PRODUCTS. NO LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE, TO ANY INTELLECTUAL PROPERTY RIGHTS IS GRANTED BY THIS DOCUMENT. EXCEPT AS PROVIDED IN INTEL'S TERMS AND CONDITIONS OF SALE FOR SUCH PRODUCTS, INTEL ASSUMES NO LIABILITY WHATSOEVER, AND INTEL DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY, RELATING TO SALE AND/OR USE OF INTEL® PRODUCTS INCLUDING LIABILITY OR WARRANTIES RELATING TO FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT. INTEL PRODUCTS ARE NOT INTENDED FOR USE IN MEDICAL, LIFE SAVING, OR LIFE SUSTAINING APPLICATIONS.

All products, dates, and figures specified are preliminary based on current expectations, and subject to change w/o notice. Intel may make changes to specifications and product descriptions at any time, without notice.

Intel, processors, chipsets, and desktop boards may contain design defects or errors known as errata, which may cause the product to deviate from published specifications. Current characterized errata are available on request.

Any code names featured are used internally within Intel to identify products that are in development and not yet publicly announced for release. Customers, licensees and other third parties are not authorized by Intel to use code names in advertising, promotion or marketing of any product or services and any such use of Intel's internal code names is at the sole risk of the user.

Intel product plans in this presentation do not constitute Intel plan of record product roadmaps. Please contact your Intel representative to obtain Intel's current plan of record product roadmaps.

Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark and MobileMark, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more information go to www.intel.com/performance

Intel® Smart Connect Technology requires a select Intel® processor, Intel® software and BIOS update, Intel® Wireless adaptor, and Internet connectivity. Solid state memory or drive equivalent may be required. Depending on system configuration, your results may vary. Contact your system manufacturer for more information.

Intel® Wireless Display (Intel® WiDi) requires an Intel® Wireless Display enabled PC, compatible adapter, and TV. 1080p and Blu-Ray* or other protected content playback only available on 2nd generation Intel® Core™ processor-based PCs with built-in visuals enabled. Consult your PC manufacturer. For more information, see www.intel.com/go/widi.

Intel® vPro™ Technology is sophisticated and requires setup and activation. Availability of features and results will depend upon the setup and configuration of your hardware, software and IT environment. To learn more visit: www.intel.com/technology/vpro.

Security features enabled by Intel® AMT require an enabled chipset, network hardware and software and a corporate network connection. Intel AMT may not be available or certain capabilities may be limited over a host OS-based VPN or when connecting wirelessly, on battery power, sleeping, hibernating or powered off. Setup requires configuration and may require scripting with the management console or further integration into existing security frameworks, and modifications or implementation of new business processes. For more information, see www.intel.com/technology/manage/iamt.

WiMAX connectivity requires a WiMAX enabled device and subscription to a WiMAX broadband service. WiMAX connectivity may require you to purchase additional software or hardware at extra cost. Availability of WiMAX is limited, check with your service provider for details on availability and network limitations. Broadband performance and results may vary due to environment factors and other variables. See www.intel.com/go/wimax for more information.

Intel® My WiFi Technology (Intel® MWT) is an optional feature and requires additional software and an Intel® Centrino® wireless adapter. Wi-Fi devices must be certified by the WiFi Alliance for 802.11a/g/n and Wi-Fi Direct* in order to connect. See www.intel.com/network/connectivity/products/wireless/mywifi.htm for more details.

No system can provide absolute security under all conditions. Requires an enabled chipset, BIOS, firmware and software and a subscription with a capable Service Provider. Consult your system manufacturer and Service Provider for availability and functionality. Intel assumes no liability for lost or stolen data and/or systems or any other damages resulting thereof. For more information, visit www.intel.com/go/anti-theft.

(Built-in Visuals) Available on the 2nd gen Intel® Core™ processor family. Includes Intel® HD Graphics, Intel® Quick Sync Video, Intel® Clear Video HD Technology, Intel® InTru™ 3D Technology, and Intel® Advanced Vector Extensions. Also optionally includes Intel® Wireless Display depending on whether enabled on a given system or not. Whether you will receive the benefits of built-in visuals depends upon the particular design of the PC you choose. Consult your PC manufacturer whether built-in visuals are enabled on your system. Learn more about built-in visuals at www.intel.com/technology/visualtechnology/index.htm.

Intel® Insider™ is a hardware-based content protection mechanism. Requires a 2nd generation Intel® Core™ processor-based PC with built-in visuals enabled, an Internet connection, and content purchase or rental from qualified providers. Consult your PC manufacturer. For more information, visit www.intel.com/go/intelinsider.

Intel, Intel Inside, the Intel logo, Centrino, Centrino Inside, Intel Core, Intel Atom and Pentium are trademarks of Intel Corporation in the United States and other countries.

This document contains information on products in the design phase of development.

*Other names and brands may be claimed as the property of others.

Copyright © 2014 Intel Corporation, All Rights Reserved

Agenda

- Release Overview
- General Information
- Supported Platform/Hardware/OS for Legacy Adapters
- Supported Platform/Hardware/OS for Wilkins Peak adapters
- Single Package Content
- Known Issues and Limitations
- 15.11/15/12 Fixed Issues
- 16.10 Fixed Issues (for reference)

Release Overview

Intel is announcing the Production Version (PV) software release of the Intel® PROSet/Wireless WiFi Software v16.11.

Notes:

- This release is a service pack serving for customer critical issues over Legacy HW.
- This PV release is a unified package:
 - Legacy HW are supported with the 15.11(Win7)/15.12(Win8) branch.
 - Wilkins Peak HW are supported with the already released 16.10 branch, no need to revalidate.
- This release adds support for the Location Based Service feature on Ivy Bridge-based Intel® vPRO platforms.

Announcing 16.11 PV Release

General Information

- WiFi Build:
 - TIC # WWFW0752G
 - Legacy driver # 15.11.0.7 / 15.12.0.6
 - WP driver # 16.10.0.5
 - VIP Kit # 101006
- Standalone Bluetooth High Speed Build:
 - TIC # WWHBW0136
 - VIP Kit # 101007
- Tested Platforms
 - Chief River Platforms
 - Shark Bay CRBs
 - Bay Trail CRBs

Supported Platform/Hardware/OS for Legacy Adapters

Platform	Calpella			Huron River			Chief River			Shark Bay QC (2 chip)		Sugar Bay		Maho Bay		Pine Trail		Cedar Trail	
HW/OS	XP 32 / 64	Win7 32/64	Win8 32/64	XP 32/64	Win7 32/64	Win8 32/64	XP 32/64	Win7 32/64	Win8 32/64	Win7 32/64	Win8 32/64	Win7 32/64	Win8 32/64	Win7 32/64	Win8 32/64	Win7 32/64	Win8 32/64	Win7 32	Win8 32/64
Jackson Peak 1 / 2230				V	V	V	V	V	V	V	V	V	V	V	V			V	V
Jackson Peak 2 / 6235				V	V	V	V	V	V	V	V			V	V			V	V
Marble Peak / 2200				V	V	V	V	V	V	V	V		V	V	V			V	V
Canyon Peak / 105				V	V	V	V	V	V	V	V			V	V			V	V
Canyon Peak + BT / 135				V	V	V	V	V	V	V	V			V	V			V	V
Rainbow Peak 1 / 1030*	V	V	V	V	V	V										V	V	V	V
Rainbow Peak 2 / 6230*	V	V	V	V	V	V										V	V	V	V
Taylor Peak / 6205				V	V	V	V	V	V	V	V	V	V	V		V	V	V	V
Crane Peak / 100*					V	V										V	V	V	V
Crane Peak + BT / 130*					V	V										V	V	V	V
Puma Peak 2x2 / 6200*	V	V	V																
Puma Peak 3x3 / 6300	V	V	V	V	V	V	V	V	V	V	V				V				
Kelsey Peak / 6150				V	V	V	V	V	V	V	V				V	V	V	V	V
Kilmer Peak / 6250	V	V	V	V	V	V	V	V	V	V	V				V	V	V	V	V
Condor Peak / 1000*	V	V	V	V	V	V						V	V			V	V	V	
Shirley Peak 1x2 / 5100**	V	V																	
Shirley Peak 3x3 / 5300**	V	V																	

** 5100/5300 Non-Logo HW (14.3 drivers)

* Non-logo HW (15.9 Drivers)

Windows XP SP2 & SP3 (32/64)

Windows 7 RTM & SP1 (32/64)

Windows 8 RTM (32/64)

Supported Platform/Hardware/OS for Wilkins Peak adapters

Platform	Chief River			Shark Bay QC 2 chip Traditional			Shark Bay DC Consumer ULT			Shark Bay DC Corporate ULT			BayTrail-M/D		
HW/OS	Win7 32/64	Win8 32/64	Win 8.1 64	Win7 32/64	Win8 64	Win 8.1 64	Win7 32/64	Win8 64	Win8.1 64	Win7 32/64	Win8 64	Win 8.1 64	Win7 32/64	Win8 32/64	Win 8.1 64
Wilkins Peak 2 / 7260	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V
Wilkins Peak 1 / 3160	V	V	V	V	V	V	V	V	V	V	V	V	V	V	V

Single Package Content

	Windows-XP	Windows 7	Windows 8/8.1
Wilkins Peak 2 / 7260	N/A	16.11	
Wilkins Peak 1 / 3160			
Jackson Peak 1 / 2230	15.3.2	15.11	15.12 Logo HW
Jackson Peak 2 / 6235			
Taylor Peak / 6205			
Marble Peak / 2200			
Canyon Peak / 105			
Canyon Peak + BT / 135			
Puma Peak 3x3 / 6300			
Kelsey Peak / 6150			
Kilmer Peak / 6250			
Rainbow Peak 1 / 1030*			15.11*
Rainbow Peak 2 / 6230*			
Crane Peak / 100*			
Crane Peak + BT / 130*			
Puma Peak 2x2 / 6200*			
Condor Peak / 1000*			
Shirley Peak 1x2 / 5100**	14.3**		14.3**
Shirley Peak 3x3 / 5300**			

** 5100/5300 Non-Logo HW (14.3 drivers + Windows 8 apps)

* Non-logo HW (15.11 Drivers + Windows 8 apps)

15.11/15.12 Fixed Issues

ID	Description
MWG100179449	WiDi app can't discover Display device acting as a GO on non-Social Channel
MWG100179832	11g TPT drop with BT on at high attenuation
MWG100161313	BT Coex: "WLAN Active" signal toggles when WiFi associated to 11a (5.2GHz) band, when BT On
MWG100163382	BT Traffic Load is "High" , while HID profile paired and stay in "IDLE" mode
MWG100171557	BT Coex: Low WiFi Tx TpT while BT Idle with open FTP remote browser
MWG100169935	uCode SysAssert while trying to connect to profile
MWG100176963	BSOD on AV_NETwew00!VMacRelease while running stress test
MWG100175492	WoWLAN: SysAssert 0x2B00 is received after RF kill
MWG100178518	client not sending Authentication request, due to wrong info in BSS table
MWG100173939	Client fails roaming to 5.2GHz band
MWG100192248	Unable to access internet through WLAN when connected to Sink GO Miracast
MWG100174131	Product Stress : BSOD D5_VRF_NETwew00!oscSoftApStopAP during S3 action
MWG100194771	Failure to connect to LG TV with JP2 on Win7
MWG100196242	DUT freeze upon WFD connction as Responder
MWG100195495	Win7: Poor connectivity and throughput when using the Windows wireless Hosted Network functionality
MWG100173879	No WiDi after BTHS session has a GO
MWG100173424	WoWLAN: SysAssert 0x2B00 is received after wakeup by magic packet once BT / BTHS is enabled
MWG100199695	5010 bad karma after RF Kill while in S3
MWG100199586	assert 0x2B07 after RF Kill while in S3

16.10 Fixed Issues (for reference)

ID	Description
MWG100183396	Periodic scan while associated does not occur on time
MWG100182178	Assert 0x3069 During RF kill On/Off in S3
MWG100173981	while SUT 11n 20 and DUT 11n 40 Protection mechanisms don't work
MWG100182181	Driver Hang when RF kill asserted in D3 and deasserted in D0
MWG100193986	BSOD (133) during S3 WiFi not connected with active BT
MWG100194895	BSOD BugCheck 133 during NLO
MWG100195014	BSOD while running Sx state tests
MWG100194612	Ping does not work with specific APs that using WEP security mode
MWG100184573	Fail on "System - Sleep and PnP with BSOD
MWG100194951	WP1 - Cannot receive RSSI value
MWG100194914	wrong RSSI measurement during scanning on WP1 card
MWG100191770	Power consumption test issues
MWG100187325	WLAN device show yellow band in device manager after S3 Long Run
MWG100195799	The unit got 133 Bluescreen while run Video+AP+ACDC test
MWG100194023	Indonesia SKU- Ch165 is on with 16.6PV
MWG100196043	WiFi will become useless after turn on then turn off airplane mode while connecting Miracast

16.10 Fixed Issues (for reference)

Cont.

ID	Description
MWG100192172	Remote Wake - 5002 Assert 3024 occurs during RW test
MWG100192256	ISCT NetDetect - BugCheck 133 during PW/ND test
MWG100192017	System hang in black screen with high speed fan during SCT test
MWG100194026	wireless driver show yellow bang after run ISCT stress 2 hours
MWG100187844	ISCT Remote Wake - BSOD after multiple RW housekeeping cycles
MWG100192007	ISCT Remote Wake - 5005 Assert 1CC4 while running RW multiple cycles test
MWG100195172	WLAN driver show YB after do ISCT NetDetect test
MWG100194136	WiFi lock up when turning on/off Airplane mode) using Miracast
MWG100197526	Roaming trigger not updated by driver

